

Fig. 1

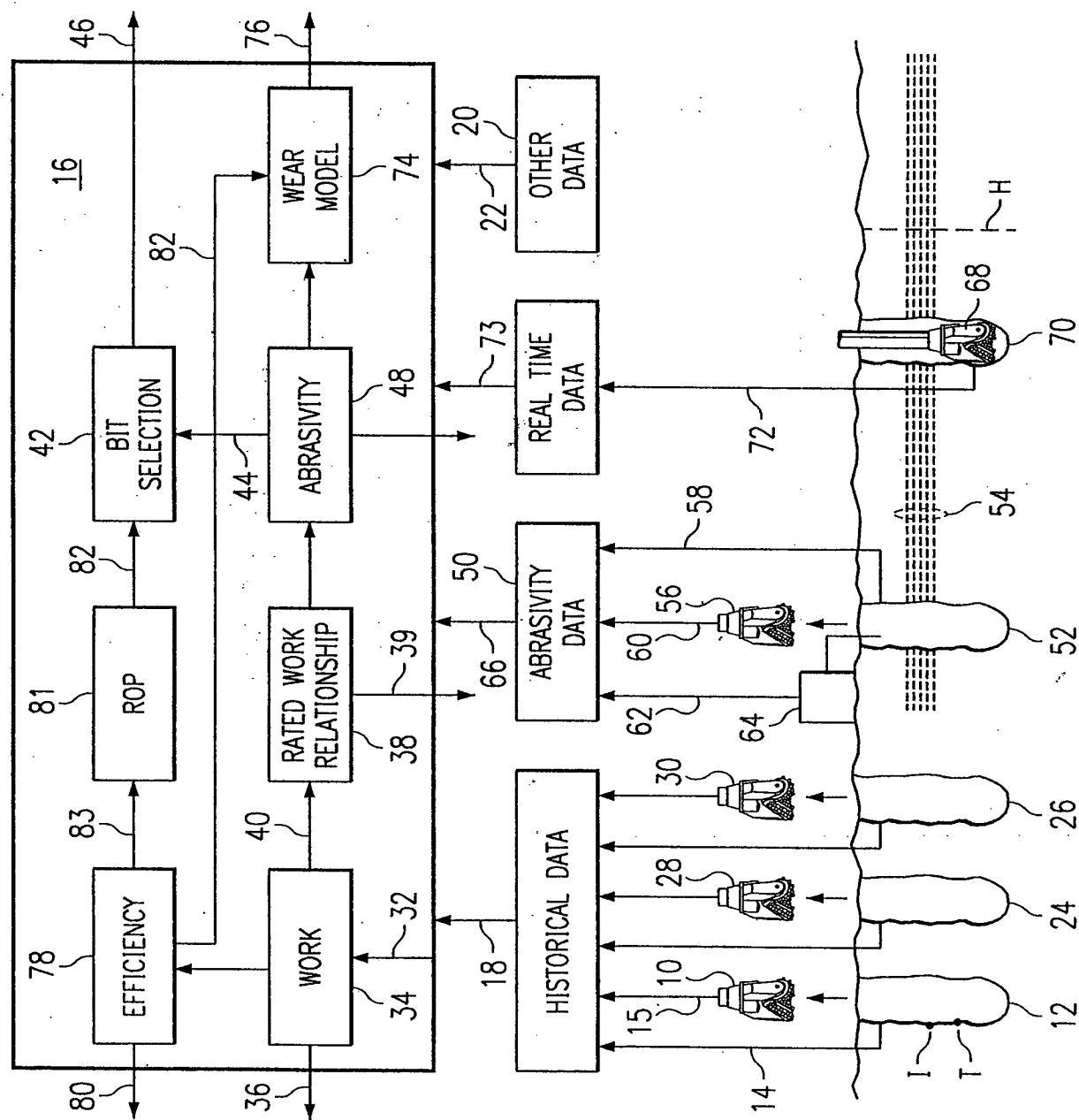


Fig. 2

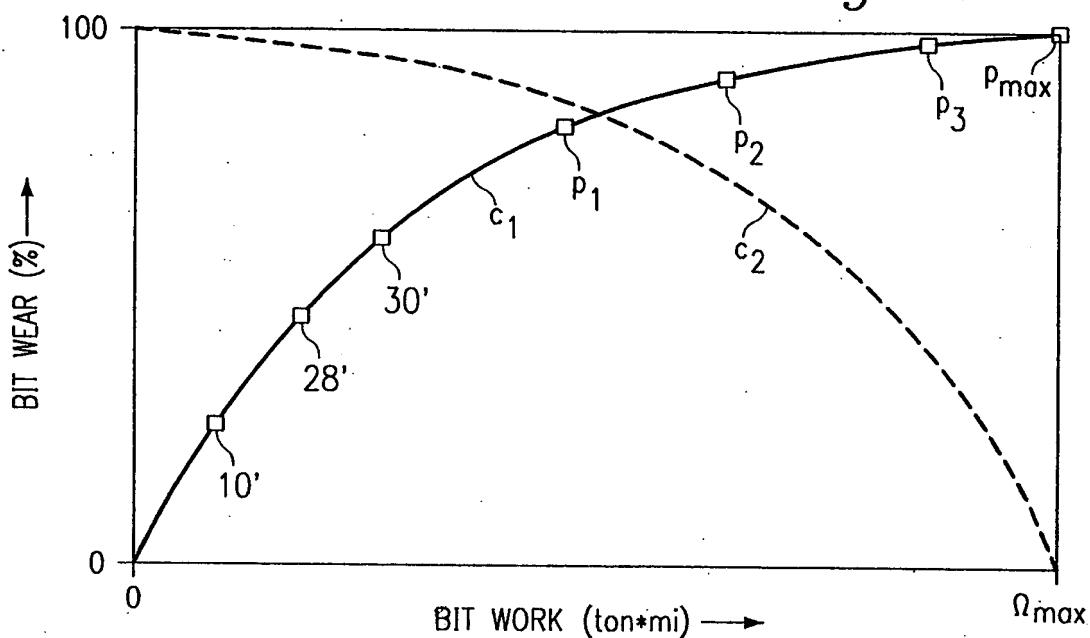


Fig. 3

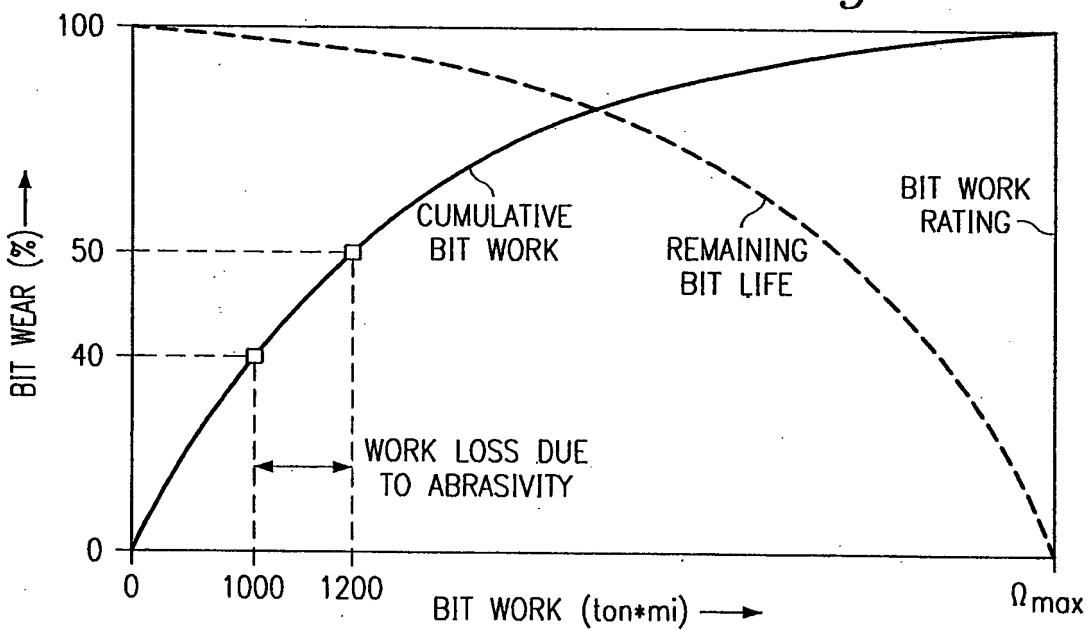


Fig. 4

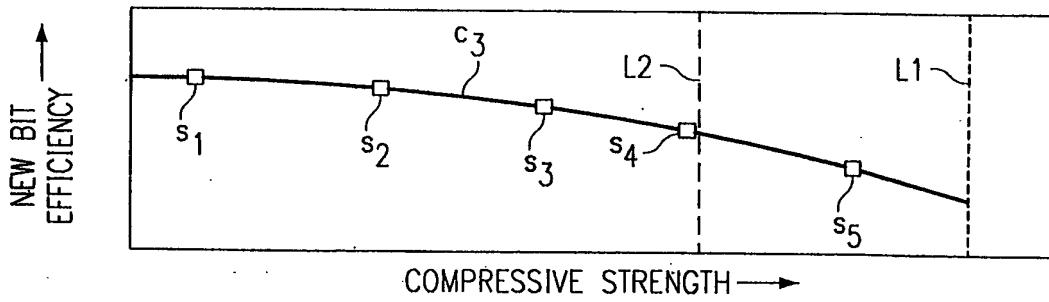


Fig. 5

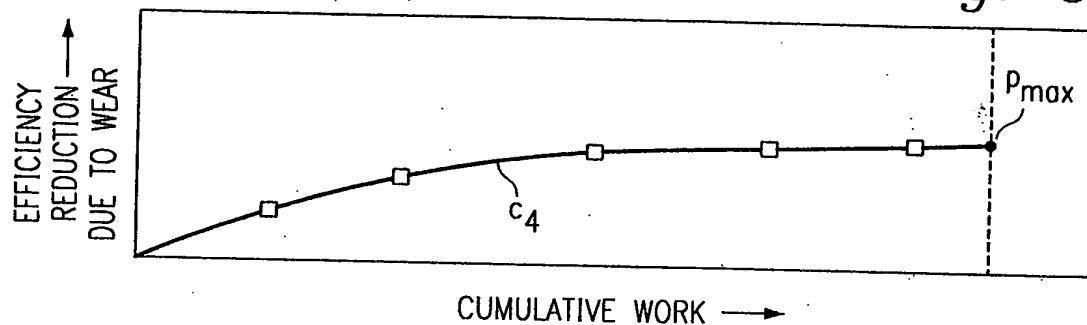


Fig. 7

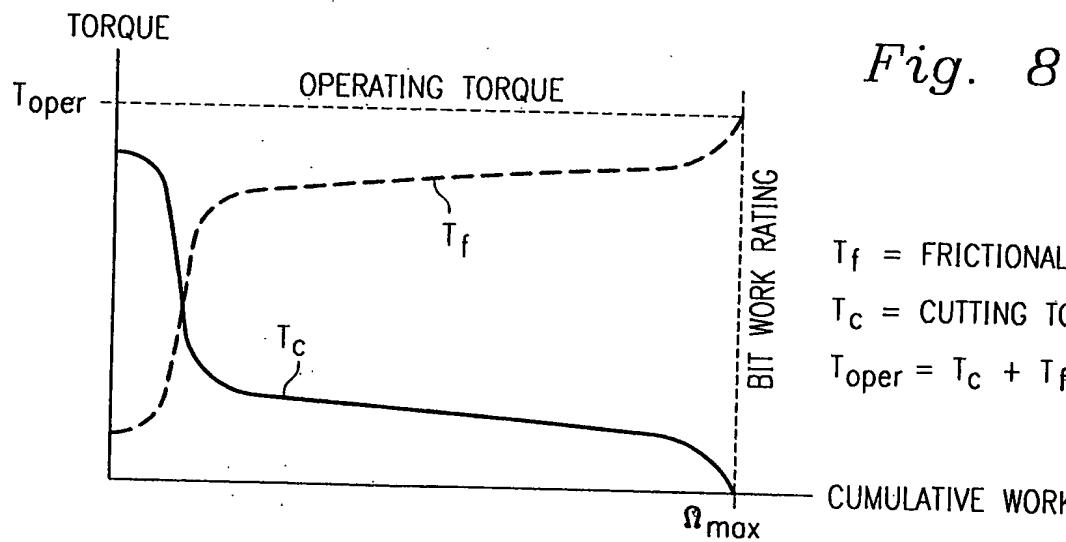
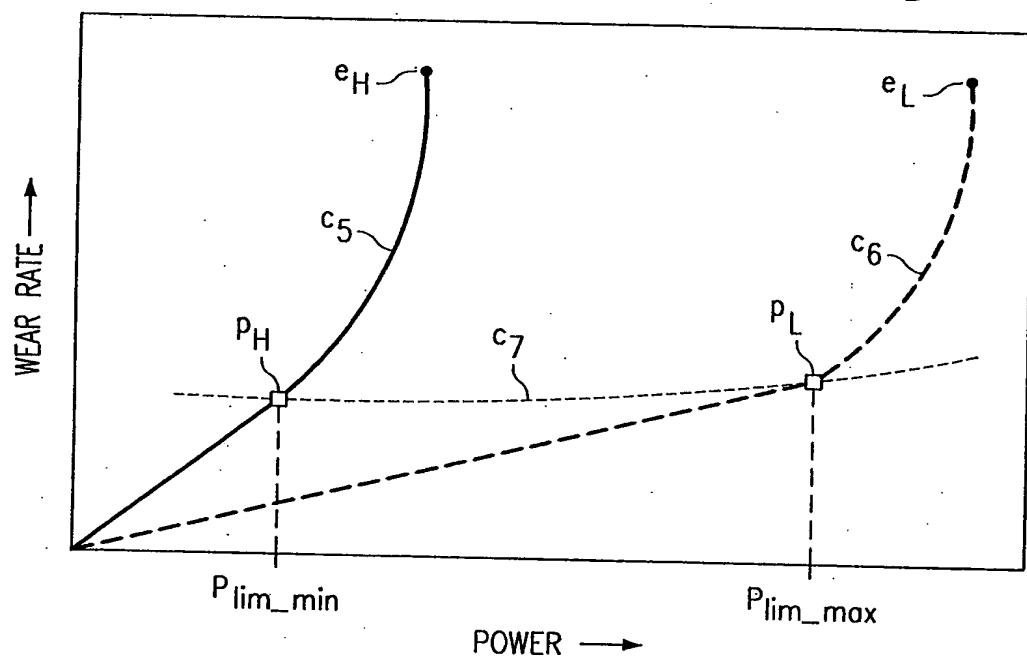


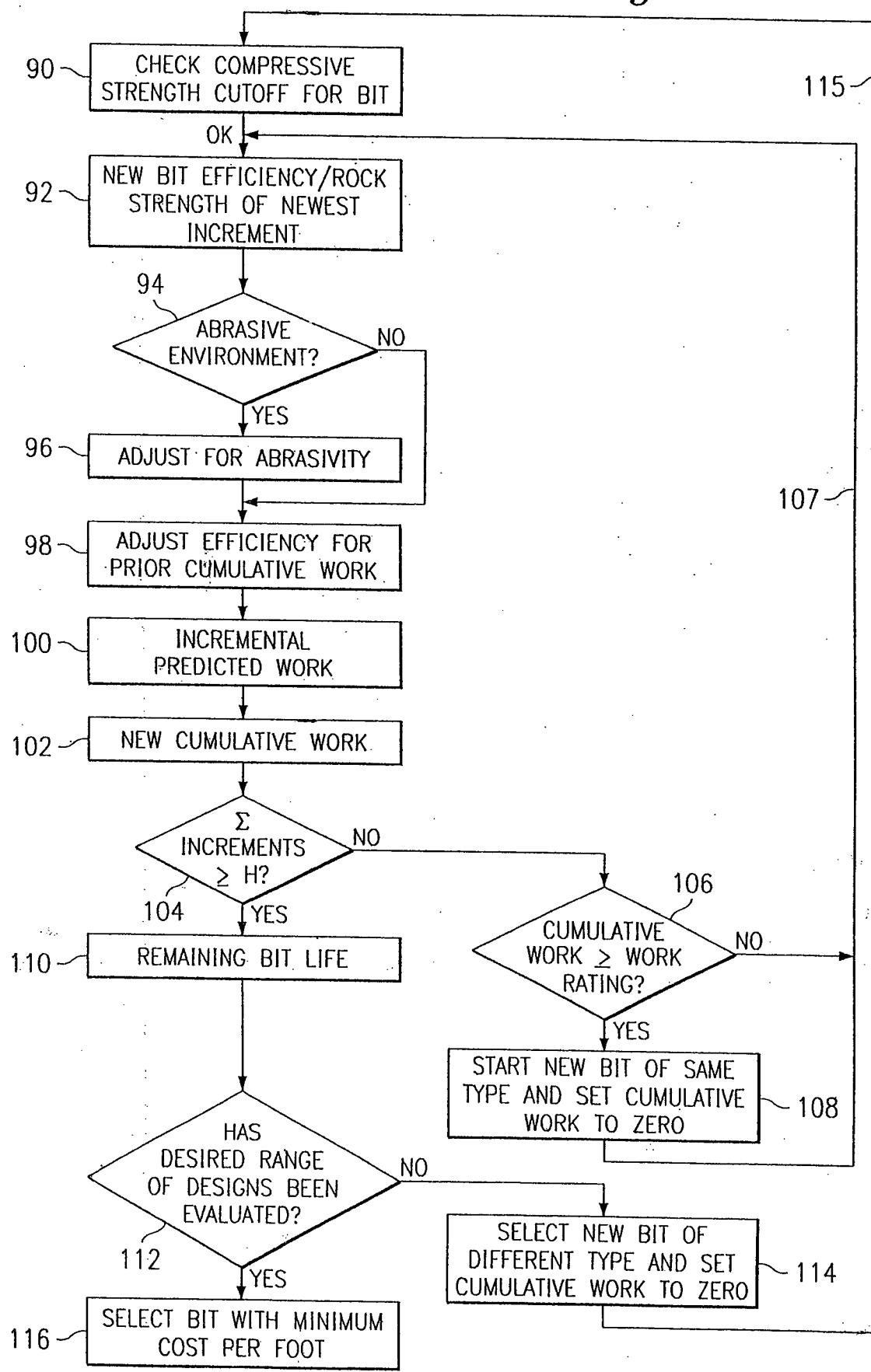
Fig. 8

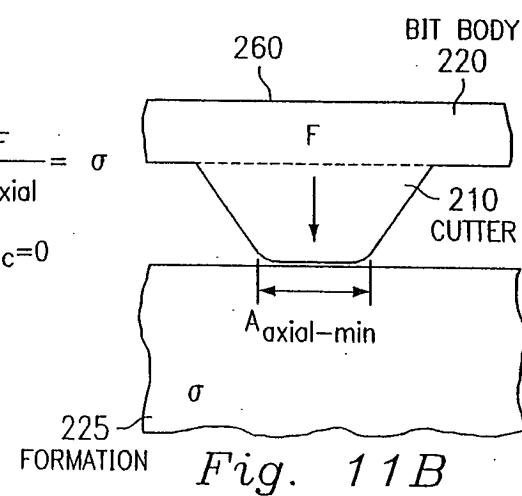
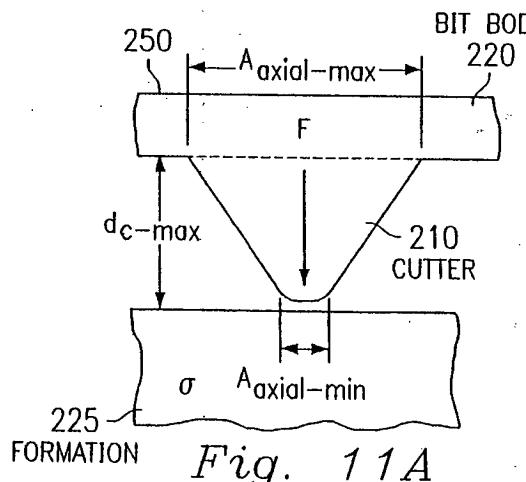
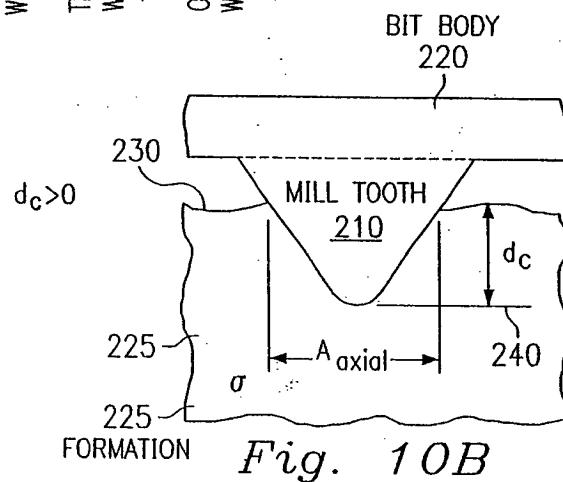
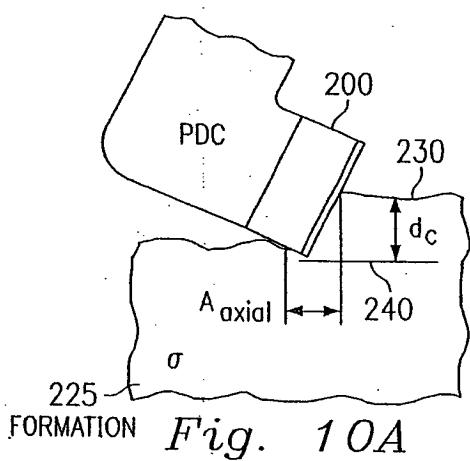
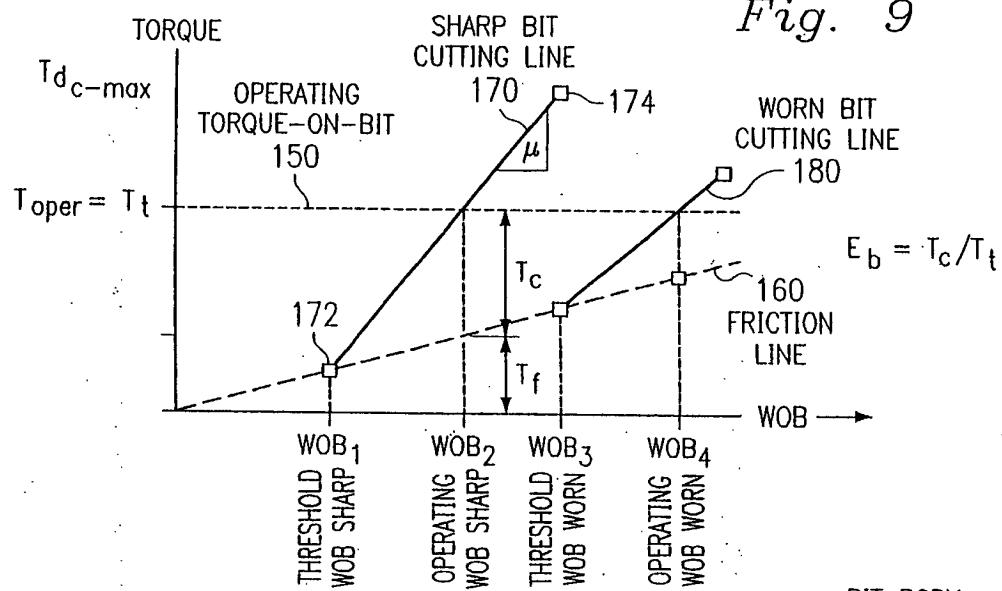
$$T_f = \text{FRICTIONAL TORQUE}$$

$$T_c = \text{CUTTING TORQUE}$$

$$T_{oper} = T_c + T_f$$

Fig. 6





*Method of Assaying Downhole
Occurrences and Conditions*

Inventors: William A. Goldman et al.

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Fig. 12

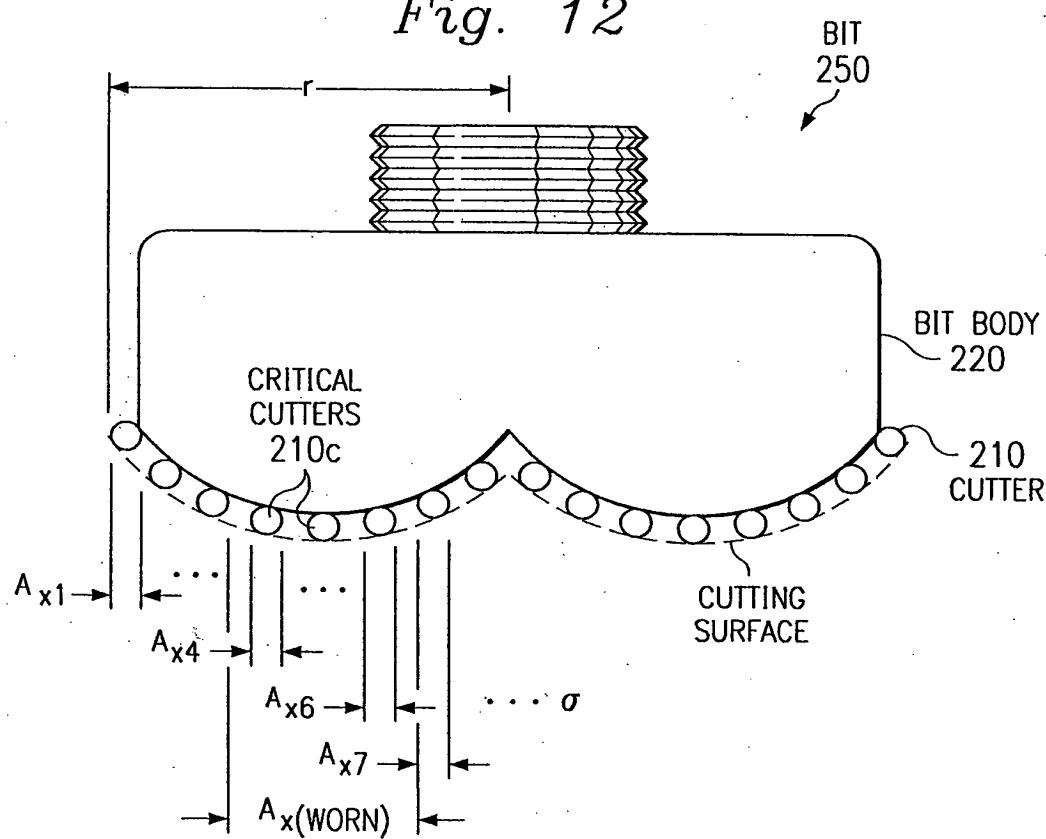


Fig. 13

